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Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of the Claims:

1. (Currently Amended) A glucose sensor comprising: an electrically insulating base plate; an electrode system including at least a working electrode and a counter electrode formed on said base plate; and a reaction layer formed in contact with or in the vicinity of said electrode system, wherein said reaction layer contains an admixture of at least pyrrolo-quinoline quinone dependent glucose dehydrogenase and ~~the additive~~ potassium gluconate and wherein the glucose sensor is in a sealed container.
2. (Currently Amended) The glucose sensor as set forth in claim 1, wherein said reaction layer further contains at least one ~~additional~~ additive selected from the group consisting of phthalic acid, salts of phthalic acid, maleic acid, salts of maleic acid, succinic acid and salts of succinic acid.
3. (Previously presented) The glucose sensor as set forth in claim 1, wherein said reaction layer further contains calcium ions.
- Claim 4 (Canceled)
5. (Previously presented) The glucose sensor as set forth in claim 1, wherein said reaction layer further contains an electron mediator.
6. (Previously presented) The glucose sensor as set forth in claim 2, wherein said reaction layer further contains calcium ions.

Claim 7 (Canceled)

Claim 8 (Canceled)

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9. (Previously presented) The glucose sensor as set forth in claim 2, wherein said reaction layer further contains an electron mediator.

10. (Previously presented) The glucose sensor as set forth in claim 3, wherein said reaction layer further contains an electron mediator.

11. (Previously presented) The glucose sensor as set forth in claim 1, wherein said reaction layer further contains an electron mediator.

12. (Currently Amended) A glucose sensor comprising: an electrically insulating base plate; an electrode system including at least a working electrode and a counter electrode formed on said base plate; and a reaction layer formed in contact with or in the vicinity of said electrode system, wherein said reaction layer contains an admixture of at least pyrrolo-quinoline quinone dependent glucose dehydrogenase and ~~the additive~~ potassium gluconate, wherein the response of the sensor immediately fabricated is substantially the same as compared to the sensor after being stored for one week at 40°C.

13. (Previously presented) The glucose sensor as set forth in claim 12 in a sealed container.

14. (Previously presented) The glucose sensor as set forth in claim 12 wherein the amount of potassium gluconate is within the range of 1.5 to 150 µg and the amount of glucose dehydrogenase is 0.2 to 20 U.

15. (Previously presented) The glucose sensor as set forth in claim 1 wherein the amount of potassium gluconate is within the range of 1.5 to 150 µg and the amount of glucose dehydrogenase is 0.2 to 20 U.

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16. (Currently amended) A glucose sensor comprising: an electrically insulating base plate; an electrode system including at least a working electrode and a counter electrode formed on said base plate; and a reaction layer containing at least pyrrolo-quinoline quinone dependent glucose dehydrogenase, formed in contact with or in the vicinity of said electrode system, wherein said reaction layer contains ~~the additive~~ potassium gluconate and one ~~additional~~ additive selected from the group consisting of phthalic acid, salts of phthalic acid, maleic acid, salts of maleic acid, succinic acid and salts of succinic acid.